



# SAFETY DATA SHEET

## PneumID – OLM2008

| Component Ref # | Description                    |
|-----------------|--------------------------------|
| 1080076         | PneumID Positive Ctrl          |
| 1080846         | PneumID Primer/Probe Mix       |
| 1080934         | Pneum qPCR master mix          |
| 1080939         | PneumID qPCR master mix        |
| 1080944         | PneumID RNase/DNase-free water |



# PneumID Primer/Probe Mix, PneumID Positive Ctrl, PneumID IEC DNA, PneumID RNase/DNase-Free Water

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 2025-08-20

## SECTION 1: Identification

### 1.1. Identification

Product form : Mixture  
Trade name : PneumID Primer/Probe Mix, PneumID Positive Ctrl, PneumID IEC DNA, PneumID RNase/DNase-Free Water  
Product code : 1080846, 1080076, 1080934, 1080944

### 1.2. Recommended use and restrictions on use

Recommended use : For In Vitro Diagnostic Use

### 1.3. Supplier

IMMY (Immuno-Mycologics, Inc.)  
2701 Corporate Centre Dr.  
Norman, OK 73069 - USA  
T 405-360-4669  
[sds@immy.com](mailto:sds@immy.com) - [www.immy.com](http://www.immy.com)

### 1.4. Emergency telephone number

Emergency number : +1-800-654-3639  
8:30 AM - 5:00 PM, Monday - Friday

## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or mixture

#### GHS US classification

Not classified

### 2.2. GHS Label elements, including precautionary statements

#### GHS US labeling

No labeling applicable

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                                                                                                          | Product identifier | % |
|-------------------------------------------------------------------------------------------------------------------------------|--------------------|---|
| Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200) |                    |   |

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if breathing is affected. If breathing is difficult, supply oxygen.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

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- |                                      |                                                                                                                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after eye contact | : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing if pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing. |
| First-aid measures after ingestion   | : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. Get medical attention if you feel unwell.                                                                                                |

## 4.2. Most important symptoms and effects (acute and delayed)

- |                                     |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.                                                        |
| Symptoms/effects after skin contact | : May cause skin irritation.                                                               |
| Symptoms/effects after eye contact  | : Direct contact with the eyes is likely to be irritating.                                 |
| Symptoms/effects after ingestion    | : May cause gastrointestinal irritation.                                                   |

## 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- |                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Foam. Carbon dioxide. Dry powder. Water spray. |
|------------------------------|--------------------------------------------------|

### 5.2. Specific hazards arising from the chemical

- |                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Fire hazard      | : Not expected to be a fire/explosion hazard under normal conditions of use. |
| Explosion hazard | : Product is not explosive.                                                  |
| Reactivity       | : No dangerous reactions known under normal conditions of use.               |

### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |                                                                                                                                                                      |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautionary measures fire    | : Eliminate all ignition sources if safe to do so.                                                                                                                   |
| Firefighting instructions      | : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not dispose of fire-fighting water in the environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.                                  |
| Other information              | : Under fire conditions closed containers may rupture or explode.                                                                                                    |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |                                                                                                                                                            |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### 6.1.1. For non-emergency personnel

- |                      |                                                        |
|----------------------|--------------------------------------------------------|
| Protective equipment | : Wear protective equipment as described in section 8. |
| Emergency procedures | : Evacuate unnecessary personnel.                      |

#### 6.1.2. For emergency responders

- |                      |                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency. |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------|

### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- |                         |                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters.                                                                                                         |
| Methods for cleaning up | : Use only non-sparking tools. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. This material and its container must be disposed of in a safe way, and as per local legislation. |

### 6.4. Reference to other sections

See Sections 8 and 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling
- : Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions
- : Store in original container. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in a dry, cool and well-ventilated place.
- Incompatible materials
- : No data available.
- Heat-ignition
- : Avoid ignition sources.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

- Appropriate engineering controls
- : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

#### Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

#### Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

#### Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

#### Respiratory protection:

Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state
- : Liquid
- Color
- : No data available
- Odor
- : No data available
- Odor threshold
- : No data available

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|                                                 |                     |
|-------------------------------------------------|---------------------|
| pH                                              | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : No data available |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : Not applicable    |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |

## 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

None under normal use.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Chemical name       | Oral LD50          | Dermal LD50 | Inhalation LC50 |
|---------------------|--------------------|-------------|-----------------|
| Nuclease Free Water | > 90 mL/kg ( Rat ) |             |                 |

|                                   |                  |
|-----------------------------------|------------------|
| Skin corrosion/irritation         | : Not classified |
| Serious eye damage/irritation     | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity            | : Not classified |
| Carcinogenicity                   | : Not classified |
| Reproductive toxicity             | : Not classified |

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|                                     |                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------|
| STOT-single exposure                | : Not classified                                                                           |
| STOT-repeated exposure              | : Not classified                                                                           |
| Aspiration hazard                   | : Not classified                                                                           |
| Viscosity, kinematic                | : Not applicable                                                                           |
| Symptoms/effects                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation   | : Specific test data for the substance or mixture is not available                         |
| Symptoms/effects after skin contact | : Specific test data for the substance or mixture is not available                         |
| Symptoms/effects after eye contact  | : Specific test data for the substance or mixture is not available                         |
| Symptoms/effects after ingestion    | : Specific test data for the substance or mixture is not available                         |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No data available.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other adverse effects : No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

### Transport by sea (IMDG)

Not regulated for transport

### Air transport (IATA)

Not regulated for transport

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40

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CFR 122.42).

## CAA (Clean Air Act)

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

## CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

## 15.2. International regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

## International Inventories

**TSCA** Contact supplier for inventory compliance status.

**DSL/NDL** Contact supplier for inventory compliance status.

**EINECS/ELINCS** Contact supplier for inventory compliance status.

**ENCS** Contact supplier for inventory compliance status.

**IECSC** Contact supplier for inventory compliance status.

**KECL** Contact supplier for inventory compliance status.

**PICCS** Contact supplier for inventory compliance status.

**AIIC** Contact supplier for inventory compliance status.

**NZIoC** Contact supplier for inventory compliance status.

**TCSI** Contact supplier for inventory compliance status.

## Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

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**KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

**NZIoC** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

## 15.3. US State regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

| Component                     | State or local regulations                                                                                                                                                                                                   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sodium azide (26628-22-8)     | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |
| Hydrogen peroxide (7722-84-1) | U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List                                                 |

## SECTION 16: Other information

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|                    |     |
|--------------------|-----|
| Other information  | :   |
| NFPA health hazard | : 0 |
| NFPA fire hazard   | : 0 |
| NFPA reactivity    | : 0 |
| HMIS Hazard Rating |     |
| Health             | : 0 |
| Flammability       | : 0 |
| Physical           | : 0 |

Indication of changes:

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*



### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Trade name : PneumID qPCR Master Mix  
Product code : 1080939

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : For In Vitro Diagnostic Use

#### 1.3. Supplier

Integrated DNA Technologies, Inc.  
1710 Commercial Park  
Coralville, Iowa 52241 USA  
[sds@immy.com](mailto:sds@immy.com) - [www.immy.com](http://www.immy.com)

#### 1.4. Emergency telephone number

Emergency number : +1-800-654-3639  
8:30 AM - 5:00 PM, Monday - Friday

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin Corr. 1B H314  
Eye Dam. 1 H318

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : May cause cancer  
Precautionary statements (GHS US) : Obtain special instructions for use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of content and container in accordance with local, regional, national, and international regulation as applicable.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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### 3.2. Mixtures

| Name         | Product identifier | %             |
|--------------|--------------------|---------------|
| Trade secret | Trade secret       | 25 - <50      |
| Trade secret | Trade secret       | 0.25 - <0.5   |
| Trade secret | Trade secret       | 0.025 - <0.25 |

\*In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR §1910.1200), the specific chemical identity or exact weight % has been withheld as a trade secret

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.
- First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.
- First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.
- First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : Causes severe skin burns and eye damage.
- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : Causes severe skin burns.
- Symptoms/effects after eye contact : Causes serious eye damage.
- Symptoms/effects after ingestion : May cause gastrointestinal irritation.

### 4.3. Immediate medical attention and special treatment, if necessary

No additional information available

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Carbon dioxide. Dry powder. Water spray.

### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known under normal conditions of use.

### 5.3. Special protective equipment and precautions for fire-fighters

- Precautionary measures fire : Eliminate all ignition sources if safe to do so.
- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not dispose of fire-fighting water in the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

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### 6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters.
- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation.

### 6.4. Reference to other sections

See Sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep container closed when not in use. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in a dry, cool and well-ventilated place.
- Incompatible materials : No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Chemical name | ACGIH TLV                                                                              | OSHA PEL                                                                                                                                                                                                                               | NIOSH                                                                               |
|---------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Trade secret  | -                                                                                      | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate<br>(vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction | -                                                                                   |
| Trade secret  | STEL: 1000 ppm                                                                         | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup>                                                                                                                       | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup>                      |
| Trade secret  | Ceiling: 0.29 mg/m <sup>3</sup> Sodium azide<br>Ceiling: 0.11 ppm Hydrazoic acid vapor | (vacated) S*<br>(vacated) Ceiling: 0.1 ppm HN <sub>3</sub><br>(vacated) Ceiling: 0.3 mg/m <sup>3</sup> NaN <sub>3</sub>                                                                                                                | Ceiling: 0.1 ppm HN <sub>3</sub><br>Ceiling: 0.3 mg/m <sup>3</sup> NaN <sub>3</sub> |

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

### 8.3. Individual protection measures/Personal protective equipment

Personal protective equipment symbol(s):



Personal protective equipment:

Gloves. Protective goggles. Wear chemically impervious apron over labcoat and full coverage clothing.

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### Hand protection:

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Be aware that the chemical may penetrate the gloves. Frequent changes are advisable. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

### Eye protection:

Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

### Skin and body protection:

Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

### Respiratory protection:

Use NIOSH (or other equivalent national standard) -approved dust/particulate respirator. Where vapor, mist, or dust exceed PELs or other applicable OELs, use NIOSH-approved respiratory protective equipment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Liquid            |
| Color                                           | : No data available |
| Odor                                            | : No data available |
| Odor threshold                                  | : No data available |
| pH                                              | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Flammability (solid, gas)                       | : No data available |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : Not applicable    |
| Viscosity, dynamic                              | : No data available |
| Explosive limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

None under normal use.

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### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

### Numerical measures of toxicity

The following ATE values have been calculated for the mixture ATEmix

|                               |           |       |
|-------------------------------|-----------|-------|
| (oral)                        | 31,665.00 | mg/kg |
| ATEmix (dermal)               | 28,735.60 | mg/kg |
| ATEmix (inhalation-gas)       | 99,999.00 | ppm   |
| ATEmix (inhalation-vapor)     | 99,999.00 | mg/L  |
| ATEmix (inhalation-dust/mist) | 7.90      | mg/L  |

### Component Information

| Chemical name | Oral LD50             | Dermal LD50           | Inhalation LC50                                      |
|---------------|-----------------------|-----------------------|------------------------------------------------------|
| Trade secret  | = 12600 mg/kg ( Rat ) | > 10 g/kg ( Rabbit )  | > 2.75 mg/L ( Rat ) 4 h                              |
| Trade secret  | = 7060 mg/kg ( Rat )  | -                     | = 116.9 mg/L ( Rat ) 4 h<br>= 133.8 mg/L ( Rat ) 4 h |
| Trade secret  | = 27 mg/kg ( Rat )    | = 20 mg/kg ( Rabbit ) | 0.054 - 0.52 mg/L ( Rat ) 4 h                        |

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer. The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC    | NTP   | OSHA |
|---------------|-------|---------|-------|------|
| Trade secret  | A3    | Group 1 | Known | X    |

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic :

Symptoms/effects : Not classified.

Symptoms/effects after inhalation : Specific test data for the substance or mixture is not available

Symptoms/effects after skin contact : Specific test data for the substance or mixture is not available

Symptoms/effects after eye contact : Specific test data for the substance or mixture is not available

Symptoms/effects after ingestion : Specific test data for the substance or mixture is not available

## SECTION 12: Ecological information

### 12.1. Toxicity

| Chemical name | Algae/aquatic plants | Fish                                             | Toxicity to microorganisms | Crustacea                                                      |
|---------------|----------------------|--------------------------------------------------|----------------------------|----------------------------------------------------------------|
| Trade secret  | -                    | LC50: 51 - 57mL/L (96h, Oncorhynchus mykiss)     | -                          | -                                                              |
| Trade secret  | -                    | LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) | -                          | LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, |

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|              |   |                                                                                                                                      |   |                |
|--------------|---|--------------------------------------------------------------------------------------------------------------------------------------|---|----------------|
|              |   | LC50: >100mg/L (96h, Pimephales promelas)<br>LC50: 13400 - 15100mg/L (96h, Pimephales promelas)                                      |   | Daphnia magna) |
| Trade secret | - | LC50: =0.8mg/L (96h, Oncorhynchus mykiss)<br>LC50: =0.7mg/L (96h, Lepomis macrochirus)<br>LC50: =5.46mg/L (96h, Pimephales promelas) | - | -              |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other adverse effects : No data available.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities.  
No discharge to surface waters is allowed without a permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description (DOT) : Not regulated  
UN-No.(DOT) : Not regulated  
Proper Shipping Name (DOT) : Not regulated  
Class (DOT) : Not regulated  
Packing group (DOT) : Not regulated  
Hazard labels (DOT) : Not regulated  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Not regulated  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : Not regulated  
DOT Vessel Stowage Location : Not regulated  
DOT Vessel Stowage Other : Not regulated  
Emergency Response Guide (ERG) Number : Not regulated  
Other information : Not regulated

### Transport by sea (IMDG)

Transport document description (IMDG) : Not regulated  
UN-No. (IMDG) : Not regulated  
Proper Shipping Name (IMDG) : Not regulated  
Class (IMDG) : Not regulated  
Packing group (IMDG) : Not regulated  
Limited quantities (IMDG) : Not regulated

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### Air transport (IATA)

Transport document description (IATA) : Not regulated  
UN-No. (IATA) : Not regulated  
Proper Shipping Name (IATA) : Not regulated  
Class (IATA) : Not regulated  
Packing group (IATA) : Not regulated

### SECTION 15: Regulatory information

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

**TSCA** Contact supplier for inventory compliance status.

| Chemical name | CAS No.   | Inventory Listing Status | Commercial Activity Designation |
|---------------|-----------|--------------------------|---------------------------------|
| Water         | 7732-18-5 | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |
| Trade secret  | -         | Present                  | Active                          |

**DSL/NDSL** Contact supplier for inventory compliance status.

**EINECS/ELINCS** Contact supplier for inventory compliance status.

**ENCS** Contact supplier for inventory compliance status.

**IECSC** Contact supplier for inventory compliance status.

**KECL** Contact supplier for inventory compliance status.

**PICCS** Contact supplier for inventory compliance status.

**AIIC** Contact supplier for inventory compliance status.

**NZIoC** Contact supplier for inventory compliance status.

**TCSI** Contact supplier for inventory compliance status.

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances **IECSC** -

China Inventory of Existing Chemical Substances **KECL** - Korean Existing Chemicals Inventory

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals **NZIoC**

- New Zealand Inventory of Chemicals **TCSI** - Taiwan

Chemical Substance Inventory

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

##### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

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### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122. CAA (Clean Air Act)

This product does not contain any substances regulated as pollutants pursuant to Clean Air Act (CAA).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to release of this material.

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals:

| Chemical name | California Proposition 65   |
|---------------|-----------------------------|
| Trade secret  | Carcinogen<br>Developmental |

### U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------|------------|---------------|--------------|
| Water         | -          | -             | X            |
| Trade secret  | X          | X             | X            |
| Trade secret  | X          | X             | X            |
| Trade secret  | X          | X             | X            |

### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

### SECTION 16: Other information

Other information :  
NFPA health hazard : 2  
NFPA fire hazard : 1.  
NFPA reactivity : 0  
HMIS Hazard Rating  
Health : 2  
Flammability : 0  
Physical : 0

Indication of changes:

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*